

**MILLIMETER WAVE SURFACE MOUNT FILTER**

**Abstract of the Disclosure**

A millimeter wave filter for surface mount applications includes at least one low temperature, co-fired ceramic layer defining an outer filter surface. A plurality of parallel, coupled line millimeter wavelength hairpin resonators, each formed from a single stripline or microstrip, are positioned on the outer filter surface. Each hairpin resonator is folded back upon itself into substantially parallel resonator lines.